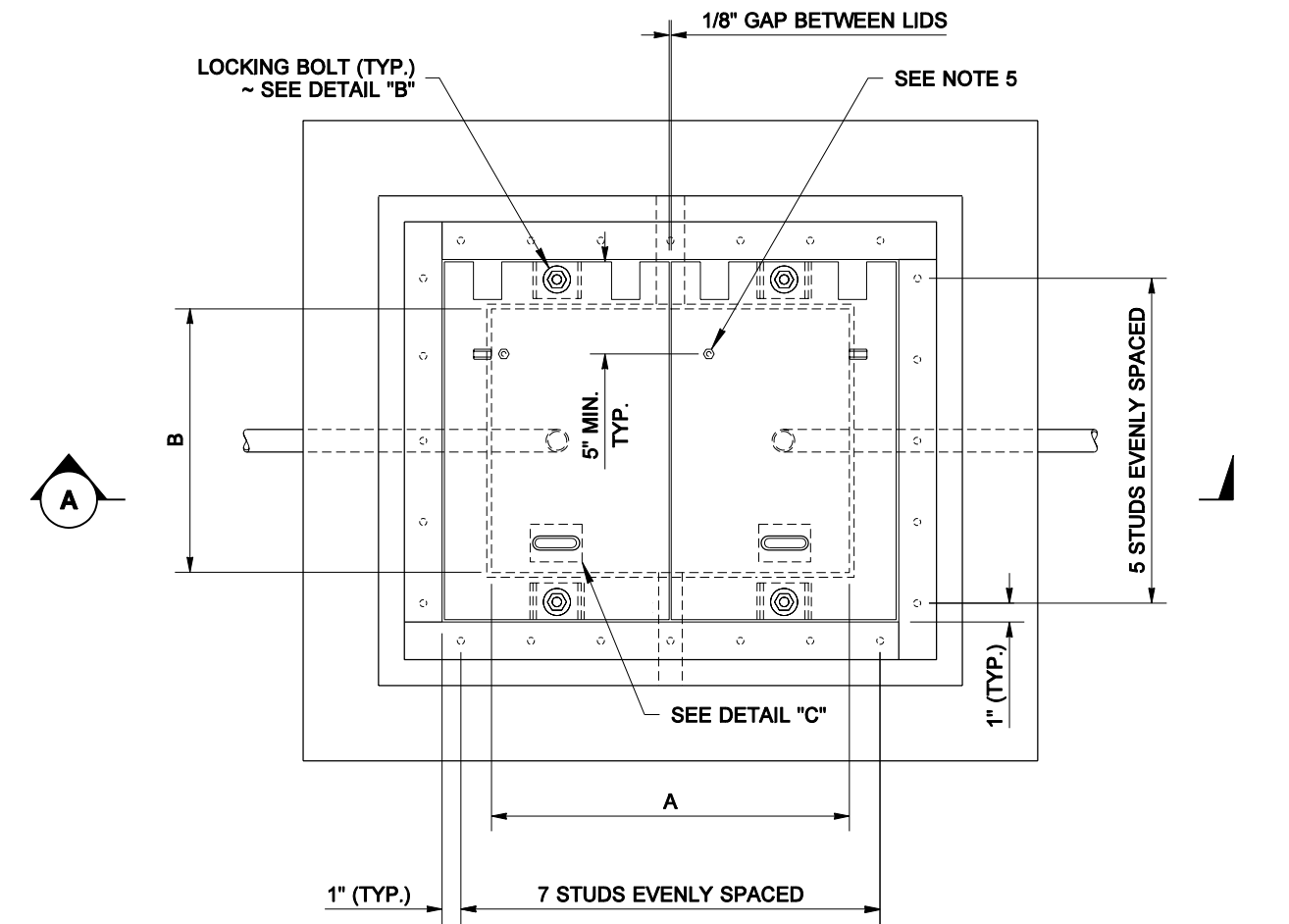


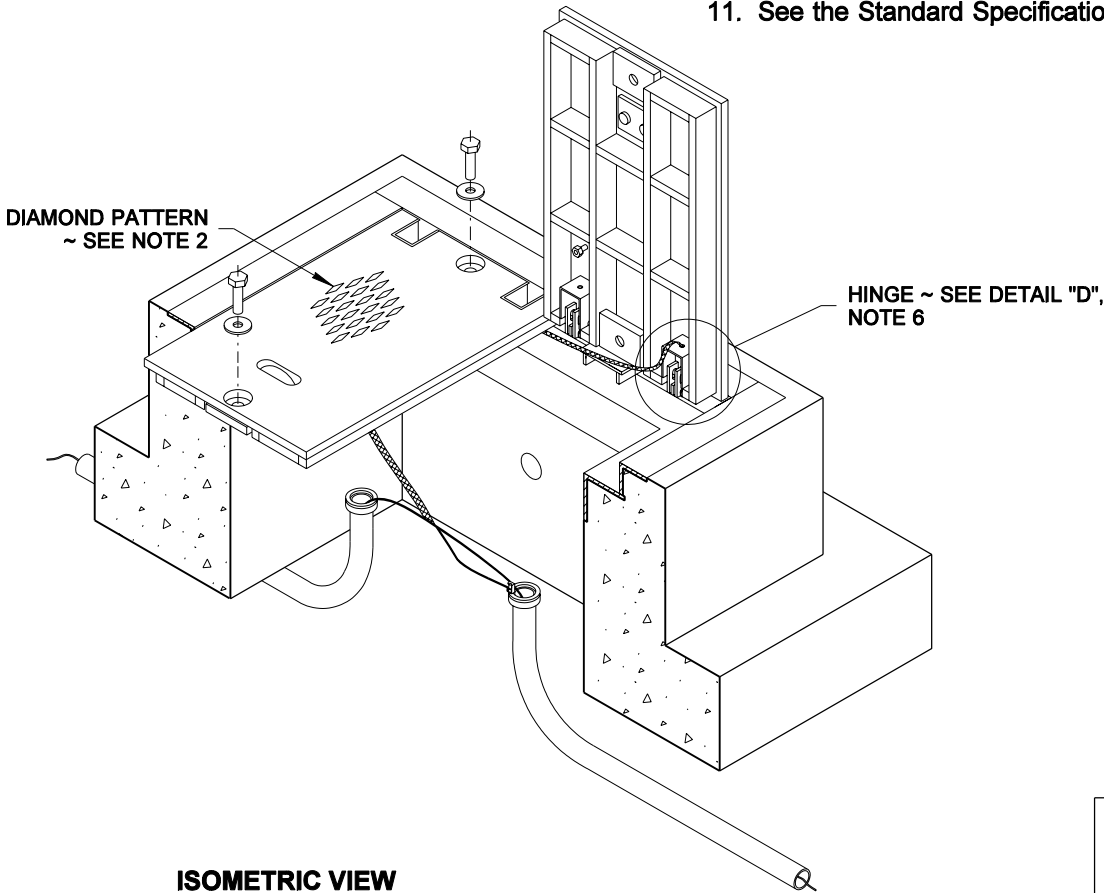
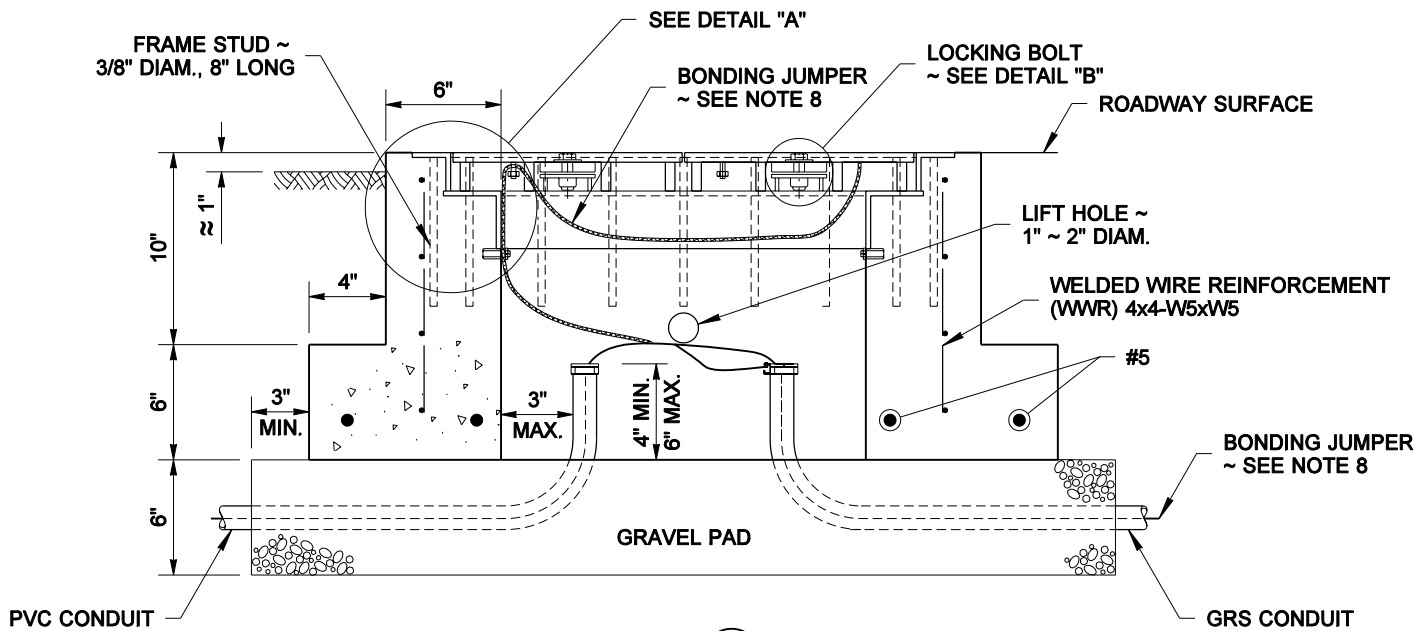
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MARK	ITEM	BOX TYPE		
		TYPE 4	TYPE 5	TYPE 6
A	BOX INSIDE LENGTH	19"	28"	36"
B	BOX INSIDE WIDTH	14"	17"	24"
C	LID LENGTH	19"	22"	29"
D	LID WIDTH	11 15/16"	16 7/16"	20 7/16"
W	STIFFENER SPACING	4"	5 1/2"	6 3/4"
X	STIFFENER LENGTH	3 1/16"	4 9/16"	5 43/48"
Y	STIFFENER SPACING	6"	7"	9 1/2"
Z	STIFFENER LENGTH	18 1/4"	21 1/4"	28 1/4"
CAPACITY ~ CONDUIT DIAM.		6"	12"	24"

NOTES

1. All box dimensions are approximate. Exact configurations vary among manufacturers.
2. All lid thicknesses are minimum. The diamond pattern shall be 3/32" minimum thick.
3. Lid stiffener plates shall bear on frame. Mill to bearing seat and perimeter bar for full even contact after fabrication of frame and lid. Lid and frame units with uneven bearing will be rejected.
4. The installed lid and frame shall fit with full even contact around the perimeter of a junction box after installation. Care shall be taken to prevent debris accumulation on the contact surfaces.
5. A 1/4-20NC x 3/4" S.S. ground stud shall be welded to the bottom of each lid; include S.S. nut and flat washer.
6. The hinges shall allow the lids to open 180°.
7. Bolts and nuts shall be liberally coated with anti-seize compound.
8. Connect a bonding jumper to steel conduit bushing for GRS conduit; connect to equipment grounding conductor for PVC conduit. As an alternative, the bonding jumper shall be attached to the front face of the hinge pocket with a 5/16-20NC x 3/4" bolt, S.S. nut, and flat washer. Bonding Jumper shall be #8 min. x 4' of tinned braided copper.
9. The System Identification letters shall be 1/8" line thickness formed by engraving, stamping, or with a S.S. weld bead. Grind off diamond pattern before forming letters. See System Identification Detail.
10. A 1% tolerance is allowed for all dimensions.
11. See the Standard Specifications for class of concrete.



EXPIRES MAY 5, 2007

**HEAVY DUTY JUNCTION
BOX TYPES 4, 5, & 6
STANDARD PLAN J-11b**

SHEET 1 OF 2 SHEETS

APPROVED FOR PUBLICATION

Harold J. Peterfeso 09-02-05

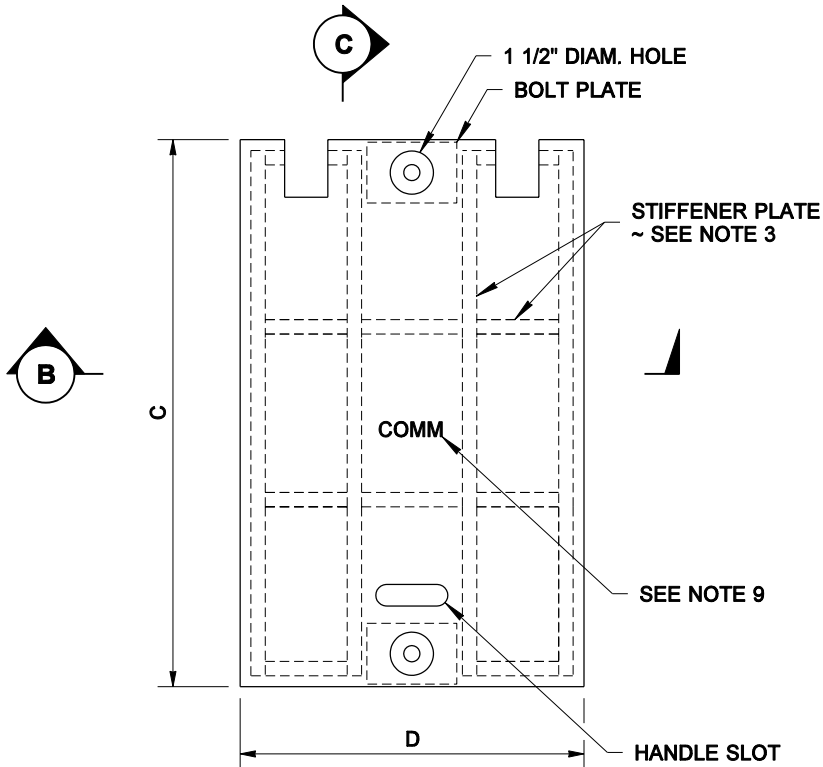
STATE DESIGN ENGINEER

DATE

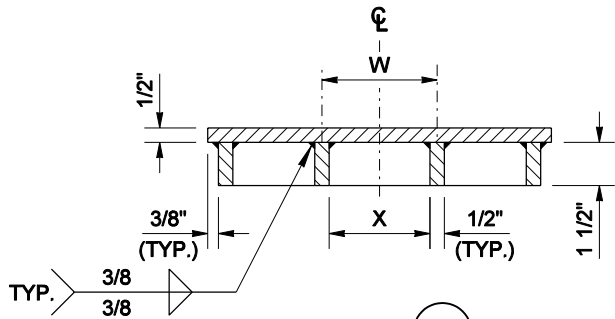


Washington State Department of Transportation

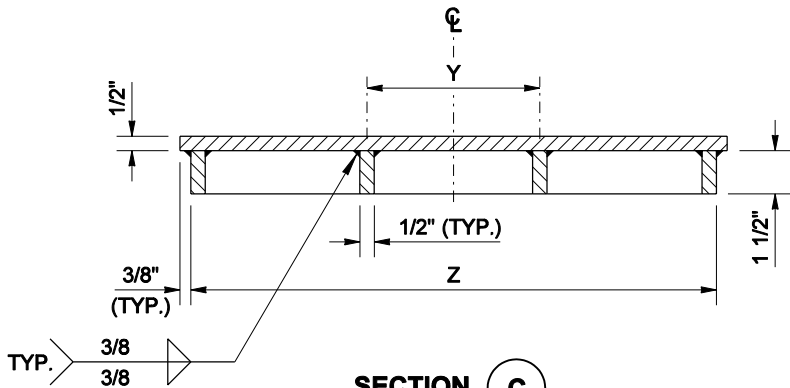
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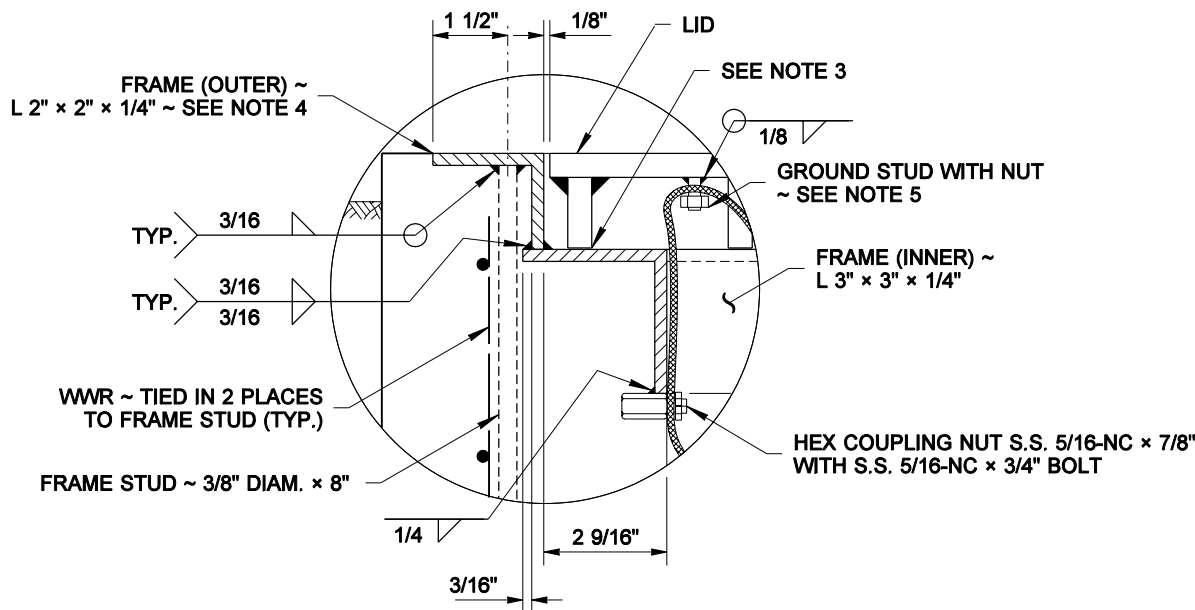
PLAN VIEW LID



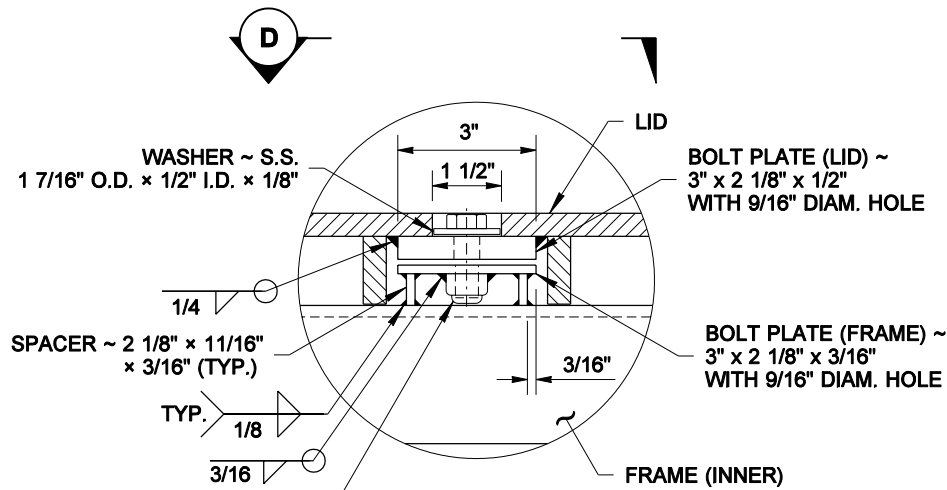
SECTION B



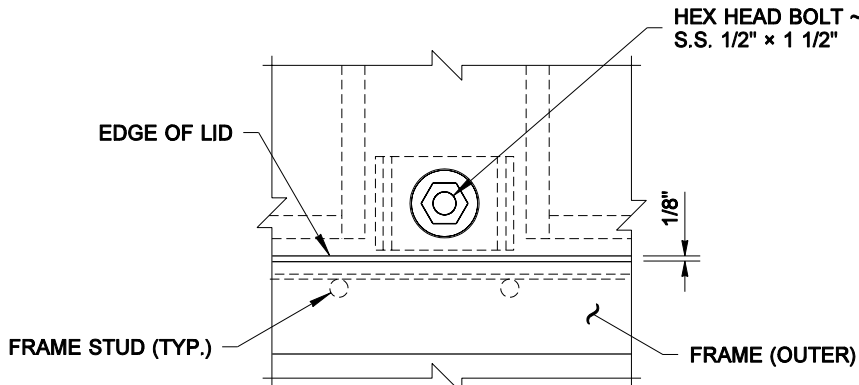
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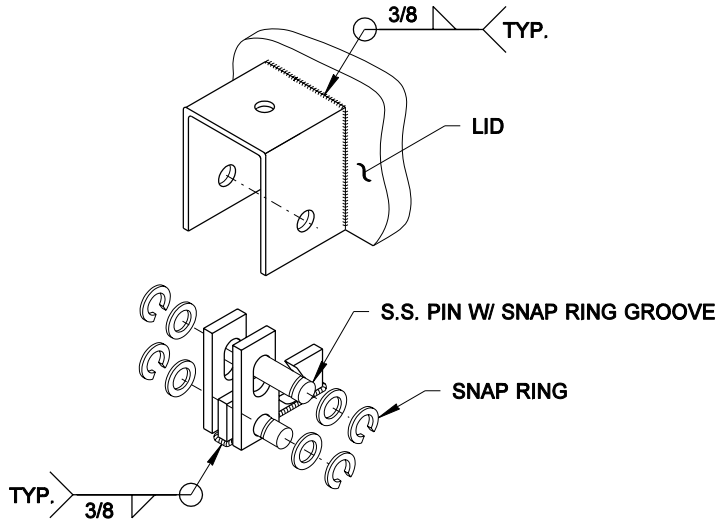
DETAIL "A"



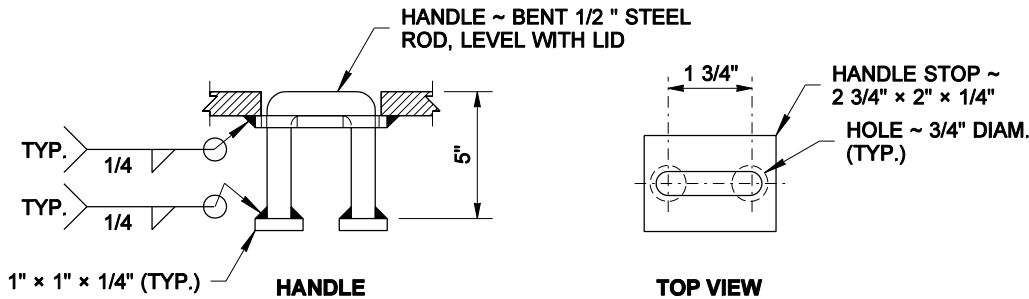
DETAIL "B" LOCKING BOLT



VIEW D



DETAIL "D" HINGE



DETAIL "C"

SYSTEM IDENTIFICATION DETAIL	
≈ 1" (TYP.)	≈ 1" (TYP.)
ITS	
INTELLIGENT TRANSPORTATION SYSTEM	
COMM	
COMMUNICATION SYSTEM	
LT	
LIGHTING SYSTEM	
TS	
TRAFFIC SIGNAL SYSTEM	
TEL	
TELEPHONE SYSTEM	



EXPIRES MAY 5, 2007

**HEAVY DUTY JUNCTION
BOX TYPES 4, 5, & 6
STANDARD PLAN J-11b**

SHEET 2 OF 2 SHEETS

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DATE



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